



CITY OF LODI

AGENDA TITLE: Specifications and Advertisement for Bids for Sewer TV Equipment and Van for Water/Wastewater Division Service Crews

MEETING DATE: March 18, 1992

PREPARED BY: Public Works Director

RECOMMENDED ACTION: That the City Council approve the specifications for a sewer TV inspection system and utility van and authorize advertising for bids to be received Wednesday, April 1, 1992.

BACKGROUND INFORMATION: Funds to purchase the sewer TV equipment and van for the water/wastewater division service crews were approved in the 1991-92 operation/maintenance budget. The sewer TV system and van will replace an old unit and is essential in light of the planned new residential areas for new sewer/storm/water line inspections. Attached is the budget request outlining the need and uses for the requested equipment.

FUNDING: Originally Budgeted: 1991-92
Budgeted Fund: 17.1-012.34
Amount Budgeted: \$153,150
Total Project Estimate: \$153,000
Bid Opening Date: 4/1/92

Jack L. Ronsko
Public Works Director

Attachment

JLR/FB/sh

Prepared by Frank Beeler, Assistant Water/Wastewater Superintendent

cc: City Attorney
Purchasing Officer
Water/Wastewater Superintendent

PUBLIC WORKS DEPARTMENT
WATER/WASTEWATER DIVISION
WASTEWATER

SUPPLEMENTAL BUDGET
REQUEST
1991 - 1992

TV INSPECTION EQUIPMENT
SYSTEM AND UTILITY
VAN RADIO EQUIPPED

Fund Code: 17-70%
Storm-30%
Account Code: Equipment
Object Code: 508-531

NEW Item or Program
☒ REPLACEMENT
Life Expectancy
TV Inspection - 8 YRS.
New Van - 15 YRS.

cost (TV Equipment) \$115,000
Misc. (Van and Radio) 28,800
Tax 9,350
Trade-in ■ ■

Total Cost \$153,150

JUSTIFICATION:

The requested unit will replace a 1981 Television Inspection Equipment System. The van the equipment was installed in is a 1979 Ford Van. This system over the last ten years has saved the City of Lodi perhaps a half a million dollars in future repairs, corrections and liabilities by detecting faulty sewer and storm lines. This unit was fully depreciated in 1989.

When the existing system was justified to Administration it was estimated the \$40,000 expense should pay for itself within, two years (by finding defective subdivision work.) Actually the system more than twice paid for itself with TVing the first new Industrial Assessment District on Cluff Avenue. The contractor performing correctional work after TV Inspection, had reportedly spent \$86,000 in repairs on sewer lines which the City would have been responsible for had the work been otherwise accepted.

The TV inspection equipment has also been used to TV inspect about one third of the 70 year old sewers on the east side to access conditions for aiding in developing proper plans for upgrading this area. The existing camera has been instrumental in trouble-shooting other trouble spots within the sewer system for corrective design by our engineering staff (School Street near Post Office and Joaquin Street).

The existing system is housed in an undersized vehicle.. In the last two years we have had 5-6 major breakdown of the equipment. Repairs and parts Over the last two years have cost the City between \$4,000 to \$6,000 per year. Additionally this causes loss of work time for the crew of four to trouble-shoot the unit and when it cannot be repaired they must be reassigned other work. For repairs the TV System must then be driven to Sacramento and later retrieved each time tying up two employees.

The outdated systems camera can no longer be replaced with a like camera. The instrumentation and control panel are also outdated and the state of the art has improved dramatically. New systems have cameras with a ° 360 rotating head/lens for close inspections of joints, laterals and possible cracks.

Currently 70% of TVing is performed on new or existing sanitary sewers and 30% on new or existing storm systems. Therefore, the cost of an approved new unit should be split 70% sanitary system and 30% storm system.

The requested system needs to be accompanied with a utility step van and portable radio. Estimated costs and outright sale of the existing and van (for limited use) are:

Brochure, picture and/or specifications attached.

<u>ESTIMATED COSTS</u>	<u>ITEMS</u>
Camera and Equipment Installed	\$115,000
Utility Step Van (New)	26,000
Portable Radio/Installed	2,800
Tax	9,350
SUBTOTAL	\$153,150
Sale of existing TV System and Small Van	<u>-\$20,000</u>
* TOTAL COST	\$133,150

- If this equipment purchase is approved an additional \$11,000 can be reduced in the 17-404.01 Operational and Maintenance Account functions 352 and 359 due to no need for repair of existing equipment.
- • Trade-in not shown here in order that sufficient funds are available for purchases. Trade-in received will be returned to the Sewer Equipment Fund.

Brochure, picture and/or specifications attached.